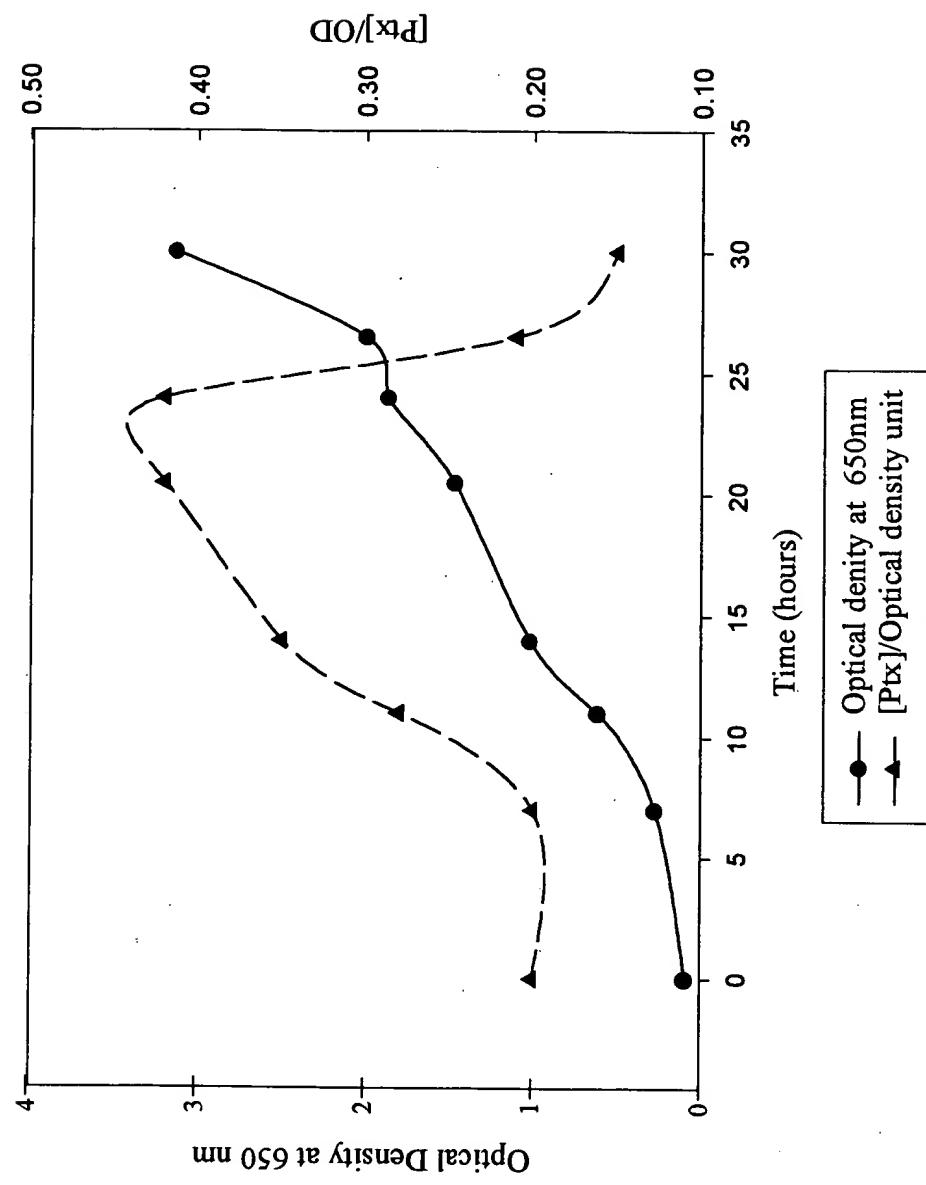


Figure 1



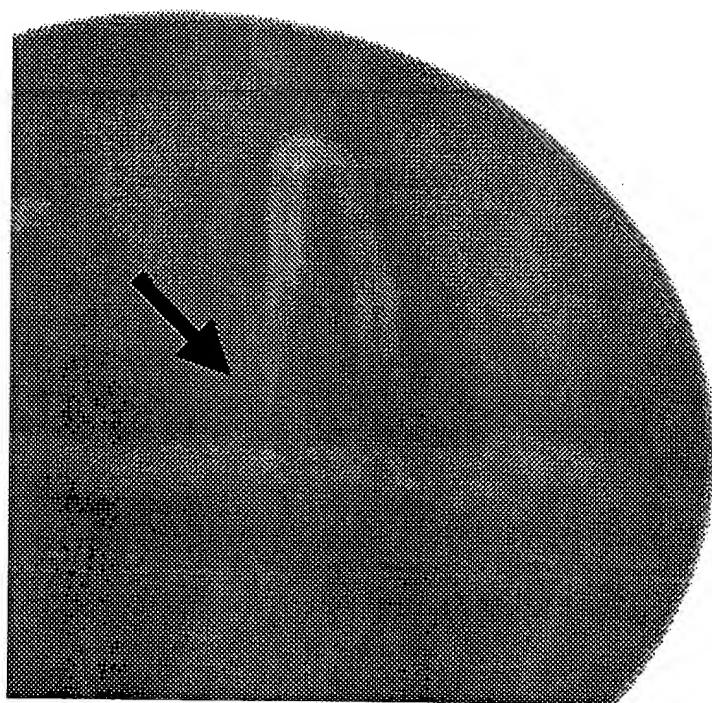


Figure 2

Figure 3

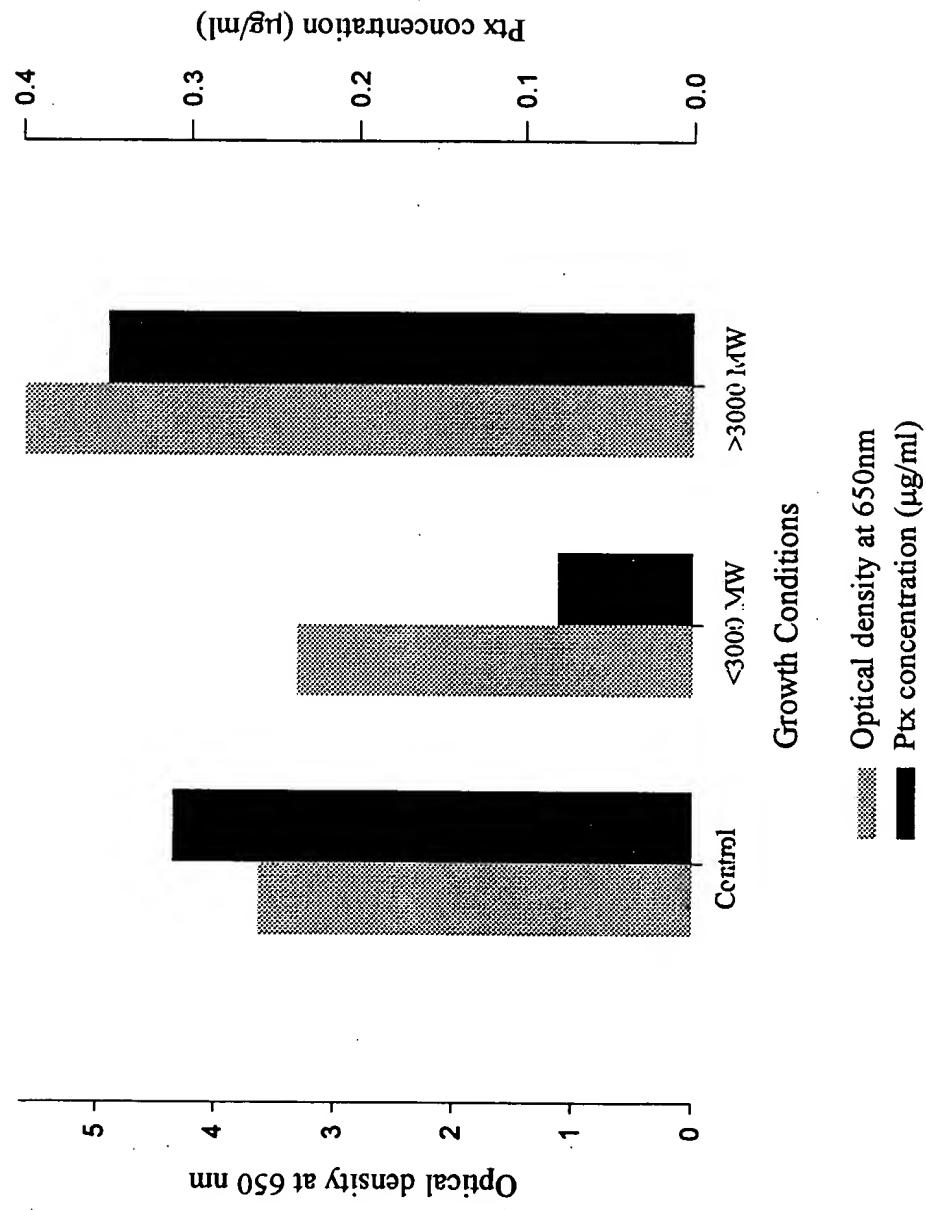


Figure 4A

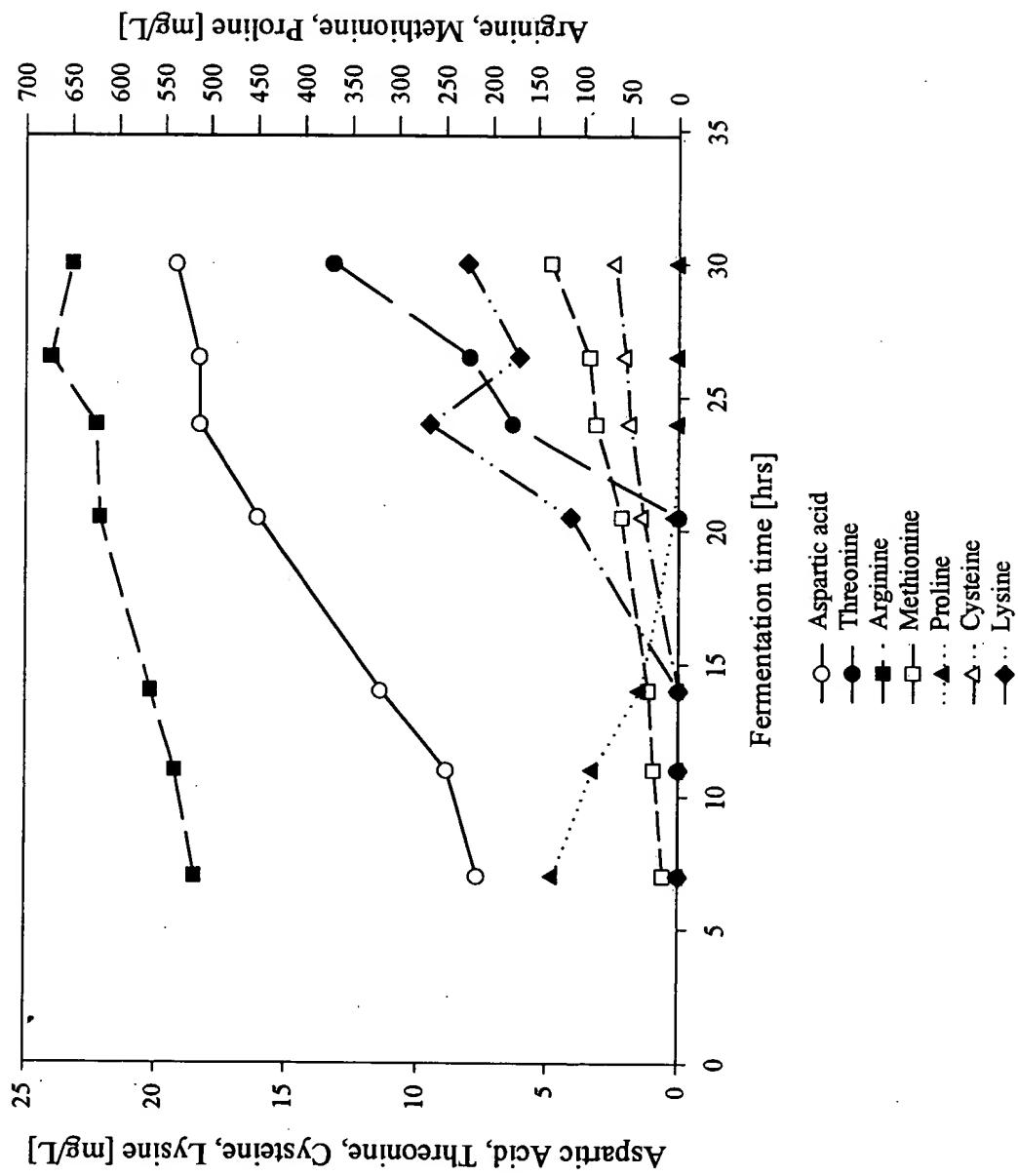


Figure 4B

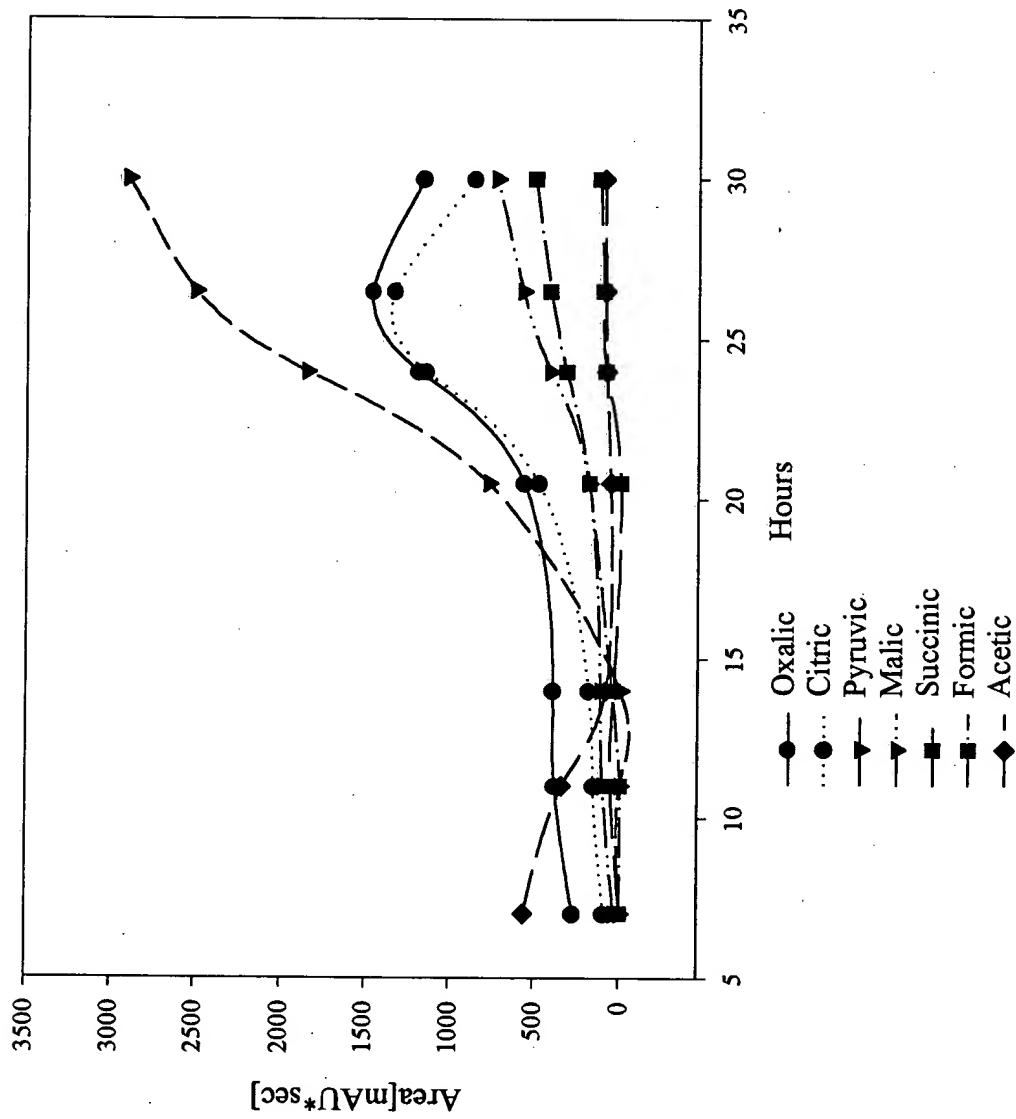


Figure 5

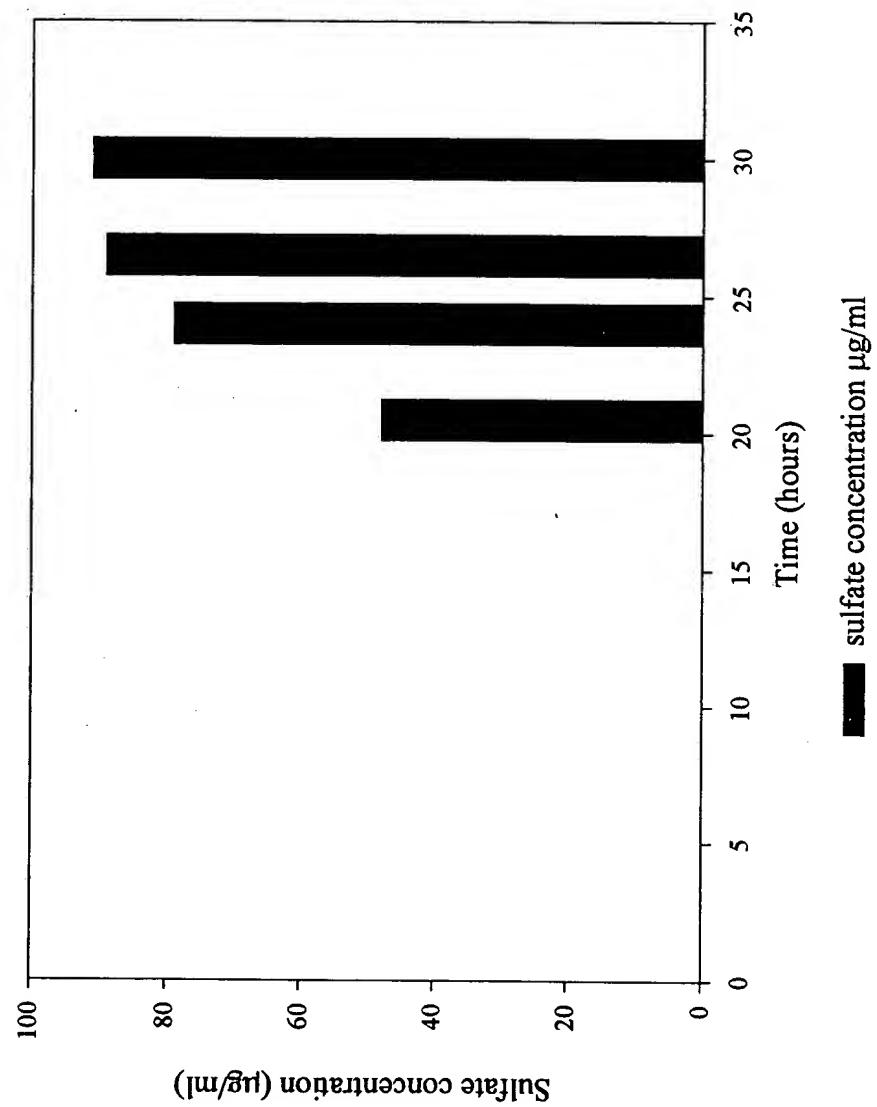


Figure 6

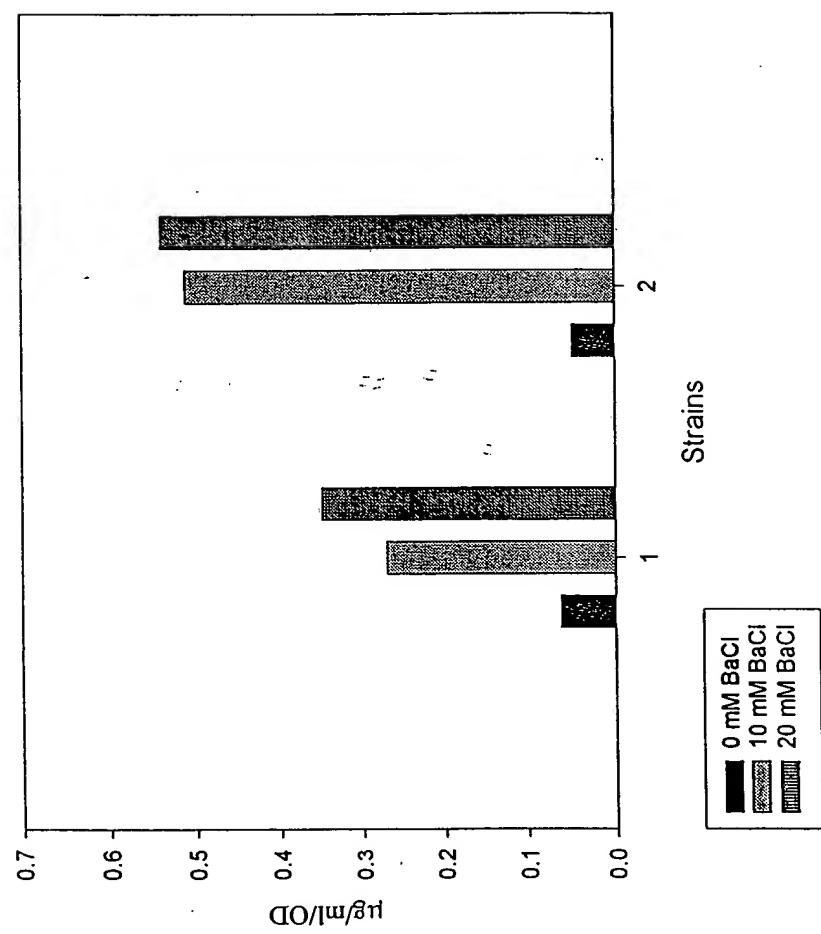


Figure 7

DSFBP314.AMI	10	20	30	40	50	
DSFBP536.AMI	1 MSNR?IYLDY	SATTPVDPNV	VEKMPIPWLYE	SFGNPASRSH	AFGWEAEDAV	50
	1 MSNP.PIYLDY	SATTPVDPNV	VEKMPIPWLYE	SFGNPASRSH	AFGWEAEDAV	50
	60	70	80	90	100	
DSFBP314.AMI	51 EKAREEVAKL	VNADPREIVW	TSGATESDNL	AIKGAAANFYA	ERGKHIITVK	100
DSFBP536.AMI	51 EKAREEVAKL	VNADPREIVW	TSGATESDNL	AIKGAAANFYA	ERGKHIITVK	100
	110	120	130	140	150	
DSFBP314.AMI	101 TEHKAVLDTC	RELERQGFEV	TYLDVQDDGL	LSLDAFKAA	RPDTILVSM	150
DSFBP536.AMI	101 TEHKAVLDTC	RELERQGFEV	TYLDVQDDGL	LSLDAFKAA	RPDTILVSM	150
	160	170	180	190	200	
DSFBP314.AMI	151 MVNNEIGVIQ	DIAALGEBICR	EKGIIIFHVDA	AQATGKVEID	LQKLKVDLMS	200
DSFBP536.AMI	151 MVNNEIGVIQ	DIAALGEBICR	EKGIIIFHVDA	AQATGKVEID	LQKLKVDLMS	200
	210	220	230	240	250	
DSFBP314.AMI	201 FSAHKTYGPK	GIGALYVRRK	PRVRIEAQMH	GGGHERGFRS	GTLATHQIVG	250
DSFBP536.AMI	201 FSAHKTYGPK	GIGALYVRRK	PRVRIEAQMH	GGGHERGFRS	GTLATHQIVG	250
	260	270	280	290	300	
DSFBP314.AMI	251 MGEAFRLARE	EMGTENERVR	MLRDRLLAGL	TQIEEVYVNG	SMEHRVPHNL	300
DSFBP536.AMI	251 MGEAFRLARE	EMGTENERVR	MLRDRLLAGL	TQIEEVYVNG	SMEHRVPHNL	300
	310	320	330	340	350	
DSFBP314.AMI	301 NISFNYVEGE	SLIMAIKELA	VSSGSACTSA	SLEPSYVLRA	LGRNDELAHS	350
DSFBP536.AMI	301 NISFNYVEGE	SLIMAIKELA	VSSGSACTSA	SLEPSYVLRA	LGRNDELAHS	350
	360	370	380	390	400	
DSFBP314.AMI	351 SIRFTLGRFT	TEQEIDFTIE	LIKSRVKGKLR	DMSPLWEMAQ	EGIDLNSVQW	400
DSFBP536.AMI	351 SIRFTLGRFT	TEQEIDFTIE	LIKSRVKGKLR	DMSPLWEMAQ	EGIDLNSVQW	400
	410	420	430	440	450	
DSFBP314.AMI	401 AAH*.....	.....	.....	.....	.....	450
DSFBP536.AMI	401 AAH*.....	.....	.....	.....	.....	450
	10	20	30	40	50	
DSF314.DNA	1 ATGAGCAATC	GCCCCATCTA	CCTGGACTAC	TCGGCTACCA	CGCCGGTCGA	50
DSF536F1.DNA	1 ATGAGCAATC	GCCCCATCTA	CCTGGACTAC	TCGGCTACCA	CGCCGGTCGA	50
DSF536R1.DNA	1 -----	-----	-----	-----	-----	50
DSF53611.DNA	1 -----	-----	-----	-----	-----	50
DSF53612.DNA	1 -----	-----	-----	-----	-----	50
	60	70	80	90	100	
DSF314.DNA	51 CCCGAGCGTG	GTCGAGAAAA	TGATTCCTG	GTTGTACGAG	AGTTTCGGCA	100
DSF536F1.DNA	51 CCCGAGCGTG	GTCGAGAAAA	TGATTCCTG	GTTGTACGAG	AGTTTCGGCA	100
DSF536R1.DNA	51 -----	-----	-----	-----	-----	100
DSF53611.DNA	51 -----	-----	-----	-----	-----	100
DSF53612.DNA	51 -----	-----	-----	-----	-----	100
	110	120	130	140	150	
DSF314.DNA	101 ATCCGGCTC	GCGCAGCCAC	GCCTTGGCT	GGGAAGCCGA	GGACCGGTC	150
DSF536F1.DNA	101 ATCCGGCTC	GCGCAGCCAC	GCCTTGGCT	GGGAAGCCGA	GGACCGGTC	150
DSF536R1.DNA	101 -----	-----	-----	-----	-----	150
DSF53611.DNA	101 -----	-----	-----	-----	-----	150
DSF53612.DNA	101 -----	-----	-----	-----	-----	150
	160	170	180	190	200	
DSF314.DNA	151 GAGAAGGCC	GCGAGGAAGT	TGCCAAGCTG	GTCAACGCCG	ATCCGCGGA	200
DSF536F1.DNA	151 GAGAAGGCC	GCGAGGAAGT	TGCCAAGCTG	GTCAACGCCG	ATCCGCGGA	200
DSF536R1.DNA	151 -----	-----	-----	-----	-----	200
DSF53611.DNA	151 -----	-----	-----	-----	-----	200
DSF53612.DNA	151 -----	-----	-----	-----	-----	200
	210	220	230	240	250	
DSF314.DNA	201 GATCGCTGG	ACTTCGGGG	CTACCGAGTC	GGACACCTG	GCCATCAAGG	250
DSF536F1.DNA	201 GATCGCTGG	ACTTCGGGG	CTACCGAGTC	GGACACCTG	GCCATCAAGG	250
DSF536R1.DNA	201 -----	-----	-----	-----	-----	250
DSF53611.DNA	201 -----	-----	-----	-----	-----	250
DSF53612.DNA	201 -----	-----	-----	-----	-----	250
	260	270	280	290	300	
DSF314.DNA	251 GCGCGGGAA	TTTCTACGCC	GAGCGCGGA	AGCACATCAT	TACCGTCAAG	300
DSF536F1.DNA	251 GCGCGGGAA	TTTCTACGCC	GAGCGCGGA	AGCACATCAT	TACCGTCAAG	300
DSF536R1.DNA	251 -----	-----	-----	-----	-----	300
DSF53611.DNA	251 -----	-----	-----	-----	-----	300

DSF53612.DNA	251	-----	-----	-----	-----	300
	310	320	330	340	350	
DSF314.DNA	301	ACCGAACACA	AGGCGGTGCT	GGATACCTGT	CGGGAGCTCG	AACGCCAGGG
DSF536F1.DNA	301	ACCGAACACA	AGGCGGTGCT	GGATACCTGT	CGGGAGCTCG	AACGCCAGGG
DSF536R1.DNA	301	-----	-----	-----	-----	350
DSF53611.DNA	301	-----	-----	-----	-----	350
DSF53612.DNA	301	-----	-----	-----	-----	350
	360	370	380	390	400	
DSF314.DNA	351	CTTGAAGTG	ACCTACCTGG	ATGTCAGGA	CGATGGTCTG	CTCAGCCTCG
DSF536F1.DNA	351	CTTGAAGTG	ACCTACCTGG	ATGTCAGGA	CGATGGTCTG	CTCAGCCTCG
DSF536R1.DNA	351	-----	-----	-----	-----	400
DSF53611.DNA	351	-----	-----	-----	-----	400
DSF53612.DNA	351	-----	-----	-----	-----	400
	410	420	430	440	450	
DSF314.DNA	401	ATGCGTTCAA	GGCTGCGCTG	CGCCCGATA	CCATCCTGGT	GTCGGTGATG
DSF536F1.DNA	401	ATGCGTTCAA	GGCTGCGCTG	CGCCCGATA	CCATCCTGGT	GTCGGTGATG
DSF536R1.DNA	401	-----	-----	-----	-----	450
DSF53611.DNA	401	-----	-----	-----	-----	450
DSF53612.DNA	401	-----	-----	-----	-----	450
	460	470	480	490	500	
DSF314.DNA	451	ATGGTCAACA	ACGAGATCGG	CGTCATCCAG	GACATCGCCG	CGCTGGCGA
DSF536F1.DNA	451	ATGGTCAACA	ACGAGATCGG	CGTCATCCAG	GACATCGCCG	CGCTGGCGA
DSF536R1.DNA	451	-----	-----	-----	-----	500
DSF53611.DNA	451	-----	-----	-----	-----	500
DSF53612.DNA	451	ATGGTCAACA	ACGAGATCGG	CGTCATCCAG	GACATCGCCG	CGCTGGCGA
	510	520	530	540	550	
DSF314.DNA	501	GATCTGCCG	GAGAAGGGCA	TCATCTTCA	CGTGGACCG	GCCCAGGCCA
DSF536F1.DNA	501	GATCTGCCG	GAGAAGGGCA	-CATCTTCA	CGTGGACCG	GCC-AAGCCA
DSF536R1.DNA	501	-----	-----	-----	-----	550
DSF53611.DNA	501	-----	-----	-----	-----	550
DSF53612.DNA	501	GATCTGCCG	GAGAAGGGCA	TCATCTTCA	CGTGGACCG	GCCCAGGCCA
	560	570	580	590	600	
DSF314.DNA	551	CCGGCAAGGT	CGAGATCGAC	CTGCAGAACG	TGAAGGTGGA	CCTGATGTCG
DSF536F1.DNA	551	ACCGCAAGGT	CGAGATC	-----	-----	600
DSF536R1.DNA	551	-----	-----	-----	-----	600
DSF53611.DNA	551	-----	-----	TCGAC	CTGCAGAACG	TGAAGGTGGA
DSF53612.DNA	551	CCGGCAAGGT	CGAGATCGAC	CTGCAGAACG	TGAAGGTGGA	CCTGATGTCG
	610	620	630	640	650	
DSF314.DNA	601	TTCTCGGCC	ACAAGACGTA	CGGCCCCAAG	GGCATCGCCG	CGCTGTATGT
DSF536F1.DNA	601	-----	-----	-----	-----	650
DSF536R1.DNA	601	-----	-----	-----	-----	650
DSF53611.DNA	601	TTCTCGGCC	ACAAGACGTA	CGGCCCCAAG	GGCATCGCCG	CGCTGTATGT
DSF53612.DNA	601	TTCTCGGCC	ACAAGACGTA	CGGCCCCAAG	GGCATCGCCG	CGCTGTATGT
	660	670	680	690	700	
DSF314.DNA	651	GCGCGCAAG	CGCGCGTGC	GCATCGAGGC	GCAGATGCAC	GGCGCGGCC
DSF536F1.DNA	651	-----	-----	-----	-----	700
DSF536R1.DNA	651	-----	-----	GGCGCAAG	CGNATCGAGGC	GCAGATGCAC
DSF53611.DNA	651	GCGCGCAAG	CGCGCGTGC	GCATCGAGGC	GCAGATGCAC	GGCGCGGCC
DSF53612.DNA	651	GCGCGCAAG	CGCGCGTGC	GCATCGAGGC	NTAGATGCAC	GGCGCGGCC
	710	720	730	740	750	
DSF314.DNA	701	ACGAACGGGG	CTTCCGGTGC	GGCACGCTGG	CCACGCACCA	GATCGTCGGC
DSF536F1.DNA	701	-----	-----	-----	-----	750
DSF536R1.DNA	701	ACGAACGGGG	CTTCCGGTGC	GGCACGNTGG	CCACGCACCA	GATCGTCGGC
DSF53611.DNA	701	ACGAACGGGG	CTTCCGGTGC	GGCACGCTGG	CCACGCACCA	GATCGTCGGC
DSF53612.DNA	701	ACGAACGGGG	-----	-----	-----	750
	760	770	780	790	800	
DSF314.DNA	751	ATGGGCGAGG	CGTTCCGCCT	GGCGCGGAG	GAAATGGGCA	CCGAGAACGA
DSF536F1.DNA	751	-----	-----	-----	-----	800
DSF536R1.DNA	751	ATGGGCGAGG	CGTTCCGCCT	GGCGCGGAG	GAAATGGGCA	CCGAGAACGA
DSF53611.DNA	751	ATGGGCGAGG	CGTTCCGCCT	GGCGCGGAG	GAAATGGGCA	CCGAGAACGA
DSF53612.DNA	751	-----	-----	-----	-----	800
	810	820	830	840	850	
DSF314.DNA	801	GCGCGTGC	ATGCTGCGCG	ACCGCCTGCT	GGCCGGCC	ACGCAGATCG
DSF536F1.DNA	801	-----	-----	-----	-----	850
DSF536R1.DNA	801	GCGCGTGC	ATGCTGCGCG	ACCGCCTGCT	GGCCGGCC	ACGCAGATCG
DSF53611.DNA	801	GCGCGTGC	ATGCTGCGCG	ACCGCCTGCT	GGCCGGCC	ACGCAGATCG
DSF53612.DNA	801	-----	-----	-----	-----	850

	860	870	880	890	900	
DSF314.DNA	851	AGGAAGTGT	TGTGAA	CGGC	ACCGCGT	GCACAAC
DSF536F1.DNA	851	-----	-----	-----	-----	900
DSF536R1.DNA	851	AGGAAGTGT	TGTGAA	CGGC	ACCGCGT	GCACAAC
DSF53611.DNA	851	AGGAAGTGT	TGTGAA	CGGC	ACCGCGT	GCACAAC
DSF53612.DNA	851	-----	-----	-----	-----	900
	910	920	930	940	950	
DSF314.DNA	901	AACATCAG	TCAACTAT	GT	CGAGGGCG	TCTCTGAT
DSF536F1.DNA	901	-----	-----	-----	-----	950
DSF536R1.DNA	901	AACATCAG	TCAACTAT	GT	CGAGGGCG	TCTCTGAT
DSF53611.DNA	901	AACATCAG	TCAACTAT	GT	CGAGGGCG	TCTCTGAT
DSF53612.DNA	901	-----	-----	-----	-----	950
	960	970	980	990	1000	
DSF314.DNA	951	GGAGCTGG	GTTCCAG	GTTCCAG	CACGTCG	AGCCTCGAG
DSF536F1.DNA	951	-----	-----	-----	-----	1000
DSF536R1.DNA	951	GGAGCTGG	GTTCCAG	GTTCCAG	CACGTCG	AGCCTCGAG
DSF53611.DNA	951	GGAGCTGG	GTTCCAG	GTTCCAG	CACGTCG	-----
DSF53612.DNA	951	-----	-----	-----	-----	1000
	1010	1020	1030	1040	1050	
DSF314.DNA	1001	CGTCCTAT	GTCGCG	CTGGCG	ACGACGAG	GGCGCACAG
DSF536F1.DNA	1001	-----	-----	-----	-----	1050
DSF536R1.DNA	1001	CGTCCTAT	GTCGCG	CTGGCG	ACGACGAG	GGCGCACAG
DSF53611.DNA	1001	-----	-----	-----	-----	1050
DSF53612.DNA	1001	-----	-----	-----	-----	1050
	1060	1070	1080	1090	1100	
DSF314.DNA	1051	TCCATCCG	TTACCTGG	CCGCTTCAC	ACCGAACAG	AAATCGACT
DSF536F1.DNA	1051	-----	-----	-----	-----	1100
DSF536R1.DNA	1051	TCCATCCG	TTACCTGG	CCGCTTCAC	ACCGAACAG	AAATCGACT
DSF53611.DNA	1051	-----	-----	-----	-----	1100
DSF53612.DNA	1051	-----	-----	-----	-----	1100
	1110	1120	1130	1140	1150	
DSF314.DNA	1101	CACGATCG	AAAGTCAAG	GTCGTGTC	CAAGCTGCG	GATATGTC
DSF536F1.DNA	1101	-----	-----	-----	-----	1150
DSF536R1.DNA	1101	CACGATCG	AAAGTCAAG	GTCGTGTC	CAAGCTGCG	GATATGTC
DSF53611.DNA	1101	-----	-----	-----	-----	1150
DSF53612.DNA	1101	-----	-----	-----	-----	1150
	1160	1170	1180	1190	1200	
DSF314.DNA	1151	CGTTGTGG	AATGGCCC	GAAGGCATT	ATCTGAATT	CGTGCAGT
DSF536F1.DNA	1151	-----	-----	-----	-----	1200
DSF536R1.DNA	1151	CGTTGTGG	AATGGCCC	GAAGGCATT	ATCTGAATT	CGTGCAGT
DSF53611.DNA	1151	-----	-----	-----	-----	1200
DSF53612.DNA	1151	-----	-----	-----	-----	1200
	1210	1220	1230	1240	1250	
DSF314.DNA	1201	GCCGCGCA	GA	.....	.....	1250
DSF536F1.DNA	1201	-----	-----	-----	-----	1250
DSF536R1.DNA	1201	GCCGCGCA	GA	.....	.....	1250
DSF53611.DNA	1201	-----	-----	-----	-----	1250
DSF53612.DNA	1201	-----	-----	-----	-----	1250

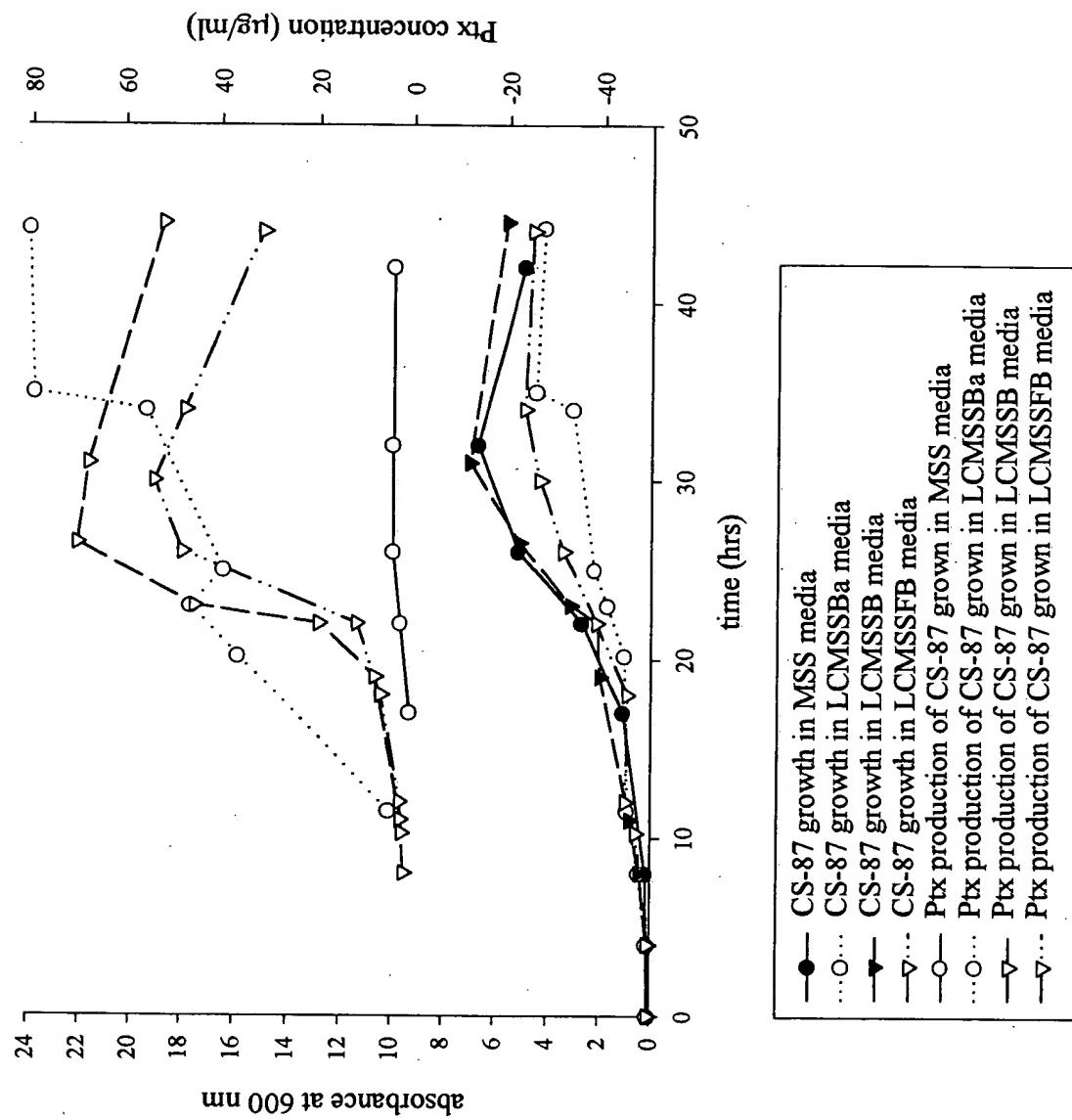


Figure 8A

Figure 8B

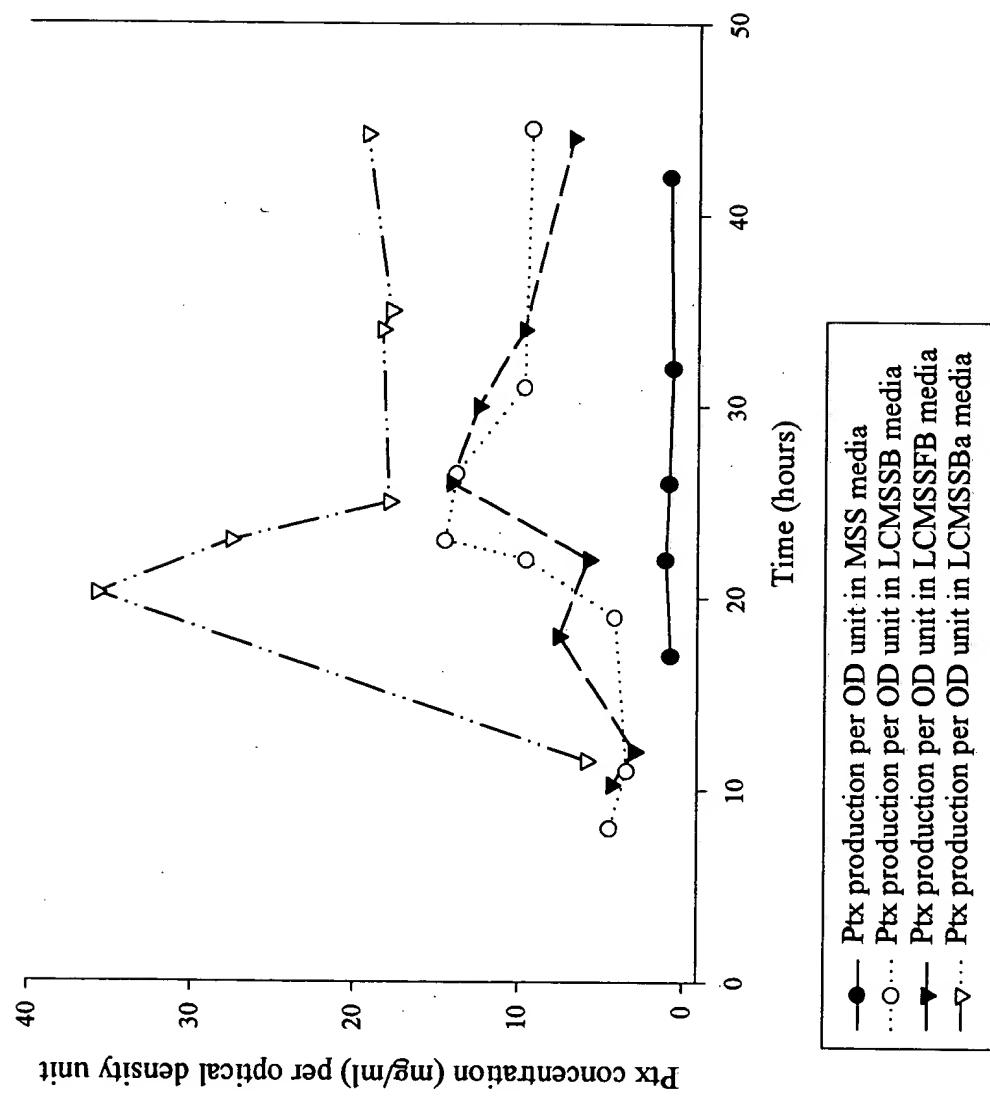


Figure 9

